| Ref<br># | Hits | Search Query   | DBs  | Default<br>Operator | Plurals | Time Stamp       |
|----------|------|--|--|---------------------|---------|------------------|
| S1       | 1263 | plasma with ( chamber or encloure<br>or envelope or tube or volume) and<br>magnets same (volume or chamber<br>or encloure or envelope or tube or<br>volume) and magnets same (rods<br>or supports) | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT | OR                  | ON      | 2007/07/15 20:19 |
| S2       | 656  | S1 and @pd<="20020328"   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT | OR                  | ON      | 2007/07/15 20:19 |

| Ref<br># | Hits  | Search Query  | DBs  | Default<br>Operator | Plurals | Time Stamp       |
|----------|-------|---|--|---------------------|---------|------------------|
| S1       | 79472 | ion near4 source  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT | OR                  | ON      | 2007/07/15 09:42 |
| S2       | 0     | (ionization near3 volume\$1)with (gas or vapor) and ion with aperture same ion near4 beam and (source) same emitting near4 electrons and first near4 mode and second near4 mode | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT | OR                  | ON      | 2007/07/15 09:45 |
| S3       | 18    | (ionization near3 volume\$1) with<br>(gas or vapor) and ion with<br>aperture same ion near4 beam and<br>(source) same emitting near4<br>electrons and mode\$1                   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT | OR                  | ON      | 2007/07/15 10:13 |
| S4       | 15    | S3 and (first and second) with source   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT | OR                  | ON      | 2007/07/15 11:17 |
| S5       | 0     | S3 and (first and second) with electron near4 source  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT | OR .                | ON      | 2007/07/15 10:14 |
| S6       | 15    | S3 and (first and second) near4 source  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT | OR                  | ON      | 2007/07/15 10:14 |
| S7       | 15    | S3 and (first and second) near4 source  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT | OR                  | ON      | 2007/07/15 11:17 |
| S8       | 15    | S7 and mode   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT | OR                  | ON      | 2007/07/15 11:40 |

| S9  | 359  | source with (gas or vapor) and ion<br>near4 source same ((gas or vapor)<br>and (atomic near4 ion\$1)) | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/07/15 11:41 |
|-----|------|---|--|----|----|------------------|
| S10 | 25   | S9 and (first and second) with mode   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/07/15 11:50 |
| S11 | 2    | S10 and @pd<="19991213"   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/07/15 11:54 |
| S12 | 57   | atomic near4 ion\$1 and molecular<br>near4 ion\$1 and ( first and second)<br>with mode\$1             | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/07/15 12:00 |
| S13 | 10   | S12 and @pd<="19991213"   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/07/15 12:09 |
| S14 | 2    | (atomic near4 ion\$1 and molecular<br>near4 ion\$1) same (( first and<br>second) with mode\$1)        | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/07/15 12:09 |
| S15 | . 57 | (atomic near4 ion\$1 and molecular<br>near4 ion\$1) and (( first and<br>second) with mode\$1)         | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/07/15 12:09 |
| S16 | 10   | S15 and @pd<="19991213"   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/07/15 12:16 |

|     |      |   | T  | T  |    | 2007/27/17 17 27 |
|-----|------|---|--|----|----|------------------|
| S17 | 1213 | atomic near4 ion\$1 and molecular near4 ion\$1  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/07/15 12:35 |
| S18 | 415  | (gas or vapor) and ion near source<br>and S17   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/07/15 12:16 |
| S19 | 142  | S18 and @pd<="19991213"   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/07/15 12:37 |
| S20 | 1    | S19 and (first and second) near mode  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/07/15 12:43 |
| S21 | 14   | S19 and hot and cold  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/07/15 12:27 |
| S22 | 0    | atomic near4 ion\$1 and molecular<br>near4 ion\$1 and (control\$3 or<br>switch\$3) and ion near soure with<br>(gas or vapor)          | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/07/15 12:36 |
| S23 | 0    | atomic near4 ion\$1 and molecular<br>near4 ion\$1 and (control\$3 or<br>switch\$3 or mode) and ion near<br>soure same (gas or vapor)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/07/15 12:36 |
| S24 | 256  | atomic near4 ion\$1 and molecular<br>near4 ion\$1 and (control\$3 or<br>switch\$3 or mode) and ion near<br>source same (gas or vapor) | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/07/15 12:36 |

| Ref<br># | Hits | Search Query  | DBs      | Default<br>Operator | Plurals | Time Stamp       |
|----------|------|---|----------|---------------------|---------|------------------|
| L1       | . 2  | (plasma and chamber and magnets and field and rod\$1 same magnets and wall\$1).clm. | US-PGPUB | OR                  | ON      | 2007/07/16 18:31 |

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| COE | 00  | C24 and @nd < _!!10001212!!  | US-PGPUB;  | OR   | ON | 2007/07/15 12:42 |
|-----|-----|--|--|------|----|------------------|
| S25 | 90  | S24 and @pd<="19991213"  | USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT              | OK . | ON | 2007/07/13 12.42 |
| S26 | 0   | ion near3 source same (atomic<br>near4 ion\$1 and molucular near4<br>ion\$1)                 | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT | OR   | ON | 2007/07/15 12:42 |
| S27 | 165 | ion near3 source same (atomic near4 ion\$1 and molecular near4 ion\$1)                       | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT | OR   | ON | 2007/07/15 12:42 |
| S28 | 77  | S27 and @pd<="19991213"  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT | OR   | ON | 2007/07/15 12:42 |
| S29 | 3   | S28 and ((first and second) near4 (mode or switch\$3 or volatge near4 source or control\$3)) | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT | OR   | ON | 2007/07/15 12:44 |
| S30 | 4   | S28 and ((first and second) near4 (mode or switch\$3 or voltage near4 source or control\$3)) | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT | OR   | ON | 2007/07/15 12:46 |
| S31 | 61  | S28 and (mode or switch\$3 or voltage near4 source or control\$3)                            | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT | OR   | ON | 2007/07/15 12:46 |
| S32 | 11  | S31 and cold and hot   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT | OR   | ON | 2007/07/15 12:47 |

| Ref<br># | Hits | Search Query   | DBs  | Default<br>Operator | Plurals | Time Stamp       |
|----------|------|--|--|---------------------|---------|------------------|
| S1       | 1263 | plasma with ( chamber or encloure<br>or envelope or tube or volume) and<br>magnets same (volume or chamber<br>or encloure or envelope or tube or<br>volume) and magnets same (rods<br>or supports) | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT | OR                  | ON      | 2007/07/15 20:19 |
| S2       | 656  | S1 and @pd<="20020328"   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT | OR                  | ON      | 2007/07/15 20:19 |